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### Pore surface functionalization of MCM-48 mesoporous silica with tungsten and molybdenum $\pi$ centers: Perspectives on catalytic peroxide activation

MS Morey, JD Bryan, S Schwarz, GD Stucky - Chem. Mater, 2000 - ACS Publications

... that the metal oxo groups are predominantly comprised of **tetrahedral** and **octahedral** ... Mo, W, and four other metals, after normalization for metal **concentration**, measured as ... **Tungsten**, **titanium**, **zirconium**, and vanadium were grafted in a similar manner as described previously. ...

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### Determination of Mo, W and Zr in molybdates and tungstates of zirconium and titanium

F Monroy-Guzman, H Arriola, I Ortega - Journal of ..., 2007 - akademai.com

... 4. **Concentration** of Mo in **titanium** tungstate gels as a function of the addition order Ti-W, the pH of ... 5. **Tungsten** species present in aqueous solution as a function of pH19 ... It is known that polymolybdates and polytungstates are the result of the fusion of **tetrahedral** units that form ...

[Cited by 1](#) - [Related articles](#) - [BL Direct](#) - [All 5 versions](#)

### Tungsten catalysts

F Figueras, N Essayem, C Fache, S ... - US Patent App. 10/ ..., 2003 - Google Patents

... compounds, character-ised in that it comprises the steps of: a) bringing the compound or composition to be desulphurised into contact with an oxidising agent and a solid comprising a single layer of **tetrahedral tungsten** deposited on a **zirconia** and/or **titanium** dioxide support ...

[All 2 versions](#)

### Platinum supported WOx-ZrO2: Effect of calcination temperature and tungsten loading

SR Vaudagna, SA Canavese, RA Cornelli, NS ... - Applied Catalysis A: ..., 1998 - Elsevier

... **Zirconium** hydroxide was prepared from an aqueous solution containing 11% **zirconium** oxychloride (Strem Chemicals, 99.9 ... 6 O 41 W 12 ·nH 2 O, (Fluka)>85% WO 3 ) of adequate **concentration** so as ... 2, 5 or 15 wt.% **tungsten** over the dried hydroxide were added by the incipient ...

[Cited by 51](#) - [Related articles](#) - [All 4 versions](#)

### Modeling the process of redistribution of alloying elements in titanium alloys in interaction with media

VN Fedirko - Materials Science, 1988 - Springer

... Since the structure and dimensions of the octahedral and **tetrahedral** voids and also the ... as a result of the higher solubility of tin in a-**titanium**, the **concentration** of **titanium** ... The main alloying elements of the pseudo-Q-alloys are aluminum, manganese, molybdenum, and **tungsten**. ...

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### Bifunctional oxidative and acidic titanium silicalite (TS-1) catalysts for one pot synthesis of 1, 2 octanediol from 1-octene

D Prasetyoko - 2006 - eprints.utm.my

... 50 51 51 53 54 54 62 65 5 **TUNGSTEN** OXIDE ON THE SURFACE OF **TITANIUM** SILICALITE

5.1 Introduction ... samples 37 3.6 The relationships between **concentration** of **titanium** in the **tetrahedral** coordination (peak at 215 nm) and amount of **titanium** in the initial gel (%mol) 38 ...

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### Homogeneous catalysis. Titanium complex [Ti (Cp) 2 (CF3SO3) 2] and zirconium complex [Zr

